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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/596,994

11/22/2006

Emma Evertsson

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02/25/2008

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EXAMINER

CHANDRAKUMAR, NIZAL S

ART UNIT

PAPER NUMBER

1625

MAIL DATE

DELIVERY MODE

02/25/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/596,994	<b>Applicant(s)</b> EVERTSSON ET AL.	
	<b>Examiner</b> NIZAL S. CHANDRAKUMAR	<b>Art Unit</b> 1625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-11, 13, 15 and 17-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☒ Claim(s) 1-11, 13, 15, 17-21 are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____.                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date ____.  | 6) <input type="checkbox"/> Other: ____.                          |

Art Unit: 1625

### DETAILED ACTION

This application filed 11/22/2006 is a 371 of PCT/SE05/00004 01/05/2005.

Claims 1-11, 13, 15, 17-21 are pending and subject to the following Election/Restrictions.

#### ***Election/Restrictions***

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group 1, claim(s) 1-11, 13, 18, 19, drawn to compounds of formula wherein L1 is alkyl, L2 alkyl

Group 2, claim(s) 1-11, 13, 18, 19, drawn to compounds of formula wherein L1 is monocyclic-carbocycle, L2 alkyl

Group 3, claim(s) 1-11, 13, 18, 19, drawn to compounds of formula wherein L1 is monocyclic-heterocycle with one N atom, L2 alkyl

Group 4, claim(s) 1-11, 13, 18, 19, drawn to compounds of formula wherein L1 is O-heterocyclic, L2 alkyl

Group 5, claims(s) 1-11, 13, 18, 19, drawn to compounds of formula wherein L1 is heterocyclic with two nitrogens, L2 alkyl

Group 6, claim(s) 1-11, 13, 18, 19, drawn to compounds of formula wherein L1 is alkyl, L2 alkyl

Group 7, claim(s) 1-11, 13, 18, 19, drawn to compounds of formula wherein L1 is monocyclic-carbocycle, L2 alkyl

Group 8, claim(s) 1-11, 13, 18, 19, drawn to compounds of formula wherein L1 is monocyclic-heterocycle with one N atom, L2 alkyl

Group 9, claim(s) 1-11, 13, 18, 19, drawn to compounds of formula wherein L1 is O-heterocyclic, L2 alkyl

Group 10, claims(s) 1-11, 13, 18, 19, drawn to compounds of formula wherein L1 is heterocyclic with two nitrogens, L2 alkyl

Group 11, claim(s) 17, drawn to process of making compounds of Group 1

Group 12, claim(s) 17, drawn to process of making compounds of Group 2

Group 13, claim(s) 17, drawn to process of making compounds of Group 3

Art Unit: 1625

Group 14, claim(s) 17, drawn to process of making compounds of Group 4

Group 15, claim(s) 17, drawn to process of making compounds of Group 5

Group 16, claim(s) 17, drawn to process of making compounds of Group 6

Group 17, claim(s) 17, drawn to process of making compounds of Group 7

Group 18, claim(s) 17, drawn to process of making compounds of Group 8

Group 19, claim(s) 17, drawn to process of making compounds of Group 9

Group 20, claim(s) 17, drawn to process of making compounds of Group 10

Group 21, claim(s) 15, 20 and 22 drawn to pharmaceutical methods of using compounds of Group 1

Group 22, claim(s) 15, 20 and 22 drawn to pharmaceutical methods of using compounds of Group 2

Group 23, claim(s) 15, 20 and 22 drawn to pharmaceutical methods of using compounds of Group 3

Group 24, claim(s) 15, 20 and 22 drawn to pharmaceutical methods of using compounds of Group 4

Group 25, claim(s) 15, 20 and 22 drawn to pharmaceutical methods of using compounds of Group 5

Group 26, claim(s) 15, 20 and 22 drawn to pharmaceutical methods of using compounds of Group 6

Group 27, claim(s) 15, 20 and 22 drawn to pharmaceutical methods of using compounds of Group 7

Group 28, claim(s) 15, 20 and 22 drawn to pharmaceutical methods of using compounds of Group 8

Group 29, claim(s) 15, 20 and 22 drawn to pharmaceutical methods of using compounds of Group 9

Group 30, claim(s) 15, 20 and 22 drawn to pharmaceutical methods of using compounds of Group 10

The inventions listed as Groups 1-30 do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: The invariant found in all these groups is 2-aminoquinoline structural core, a compound that is not a contribution over prior art CAS 580-22-3.

Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction were not required; because the inventions

require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

**Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.**

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i). Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nizal S. Chandrakumar whose telephone number is 571-272-6202. The examiner can normally be reached on 8.30 am – 5 pm Monday- Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Janet Andres can be reached on 571-272-0867 or Primary Examiner D. Margaret Seaman can be reached at 571-272-0694. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1625

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nizal Chandrakumar

/D. Margaret Seaman/  
Primary Examiner, Art Unit 1625